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<b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>		APPLICANT Maisonneuve, et al.	
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## U.S. PATENT DOCUMENTS

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RE	AA	Yuan, et al., "Nucleotide and Deduced Amino Acid Sequences for the Four Variable Domains of the Major Outer Membrane Proteins of the 15 <i>Chlamydia trachomatis</i> Serovars", <i>Infection and Immunity</i> , 57(4): 1040-1049 (1989).
	AB	Igietseme, et al., "Susceptibility to Reinfection After a Primary Chlamydial Genital Infection is Associated with a Decrease of Antigen-Specific T Cells in the Genital Tract", <i>Infection and Immunity</i> , 59(4): 1346-1351 (1991).
	AC	Blander, et al., "Mice Immunized with a Chlamydial Extract have no Increase in Early Protective Immunity Despite Increased Inflammation Following Genital Infection by the Mouse Pneumonitis Agent of <i>Chlamydia trachomatis</i> ", <i>Infection and Immunity</i> , 62(9): 3617-3624 (1994).
	AD	Lucero, et al., "Neutralization of <i>Chlamydia trachomatis</i> Cell Culture Infection by Serovar-Specific Monoclonal Antibodies", <i>Infection and Immunity</i> , 50(2): 595-597 (1985).
	AE	Byrne, et al., "Induction of Tryptophan Catabolism is the Mechanism for Gamma-Interferon-Mediated Inhibition of Intracellular <i>Chlamydia psittaci</i> Replication in T24 Cells", <i>Infection and Immunity</i> , 53(2): 347-351 (1986).
	AF	Rank, et al., "Effect of Gamma Interferon on Resolution of Murine Chlamydial Genital Infection", <i>Infection and Immunity</i> , 60(10): 4427-4429 (1992).
	AG	Manning, et al., "Expression of the Major Outer Membrane Protein of <i>Chlamydia trachomatis</i> in <i>Escherichia coli</i> ", <i>Infection and Immunity</i> , 61(10): 4093-4098 (1993).
	AH	Igietseme, et al., "Role for CD8+ T Cells in Antichlamydial Immunity Defined by Chlamydia-Specific T-Lymphocyte Clones", <i>Infection and Immunity</i> , 62(11): 5195-5197 (1994).
	AI	Grayston, et al., "Importance of Reinfection in the Pathogenesis of Trachoma", <i>Reviews of Infectious Diseases</i> , 7(6): 717-725 (1985).
RE	AJ	Snapper, et al., "Interferon- $\gamma$ and B Cell Stimulatory Factor-1 Reciprocally Regulate Ig Isotype Production", <i>Science</i> , 236: 944-947 (1987).

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

22	AK	Baehr, et al., "Mapping Antigenic Domains Expressed by <i>Chlamydia trachomatis</i> Major Outer Membrane Protein Genes", <i>Proc. Natl. Acad. Sci. USA</i> , 85: 4000-4004 (1988).
	AL	Tabor, et al., "Effect of Manganese Ions on the Incorporation of Dideoxynucleotides by Bacteriophage T7 DNA Polymerase and <i>Escherichia coli</i> DNA Polymerase I", <i>Proc. Natl. Acad. Sci. USA</i> , 86: 4076-4080 (1989).
	AM	Zhang, et al., "Protective Monoclonal Antibodies to <i>Chlamydia trachomatis</i> Serovar- and Serogroup-Specific Major Outer Membrane Protein Determinants", <i>Infection and Immunity</i> , 57(2): 636-638 (1989).
	AN	Ramsey, et al., "Resolution of Chlamydial Genital Infection in B-Cell-Deficient Mice and Immunity to Reinfection", <i>Infection and Immunity</i> , 56(5): 1320-1325 (1988).
	AO	Peterson, et al., "Protective Role of Magnesium in the Neutralization by Antibodies to <i>Chlamydia trachomatis</i> Infectivity", <i>Infection and Immunity</i> , 56(4): 885-891 (1988).
	AP	Tuffrey, et al., "Heterotypic Protection of Mice Against Chlamydial Salpingitis and Colonization of the Lower Genital Tract with a Human Serovar F Isolate of <i>Chlamydia trachomatis</i> by Prior Immunization with Recombinant Serovar L1 Major Outer-Membrane Protein", <i>Journal of General Microbiology</i> , 138: 1707-1715 (1992).
	AQ	Batteiger, et al., "Partial Protection Against Genital Reinfection by Immunization of Guinea-Pigs With Isolated Outer-Membrane Proteins of the Chlamydial Agent of Guinea-Pig Inclusion Conjunctivitis", <i>Journal of General Microbiology</i> , 139: 2965-2972 (1993).
	AR	Zhang, et al., The Nucleotide Sequence of Major Outer Membrane Protein Gene of <i>Chlamydia trachomatis</i> Serovar F", <i>Nucleic Acids Research</i> , 18(4): 1061 (1990).
	AS	Bavoil, et al., "Role of Disulfide Bonding in Outer Membrane Structure and Permeability in <i>Chlamydia trachomatis</i> ", <i>Infection and Immunity</i> , 44(2): 479-485 (1984).
	AT	Denamur, et al., "Restriction Pattern of the Major Outer-Membrane Protein Gene Provides Evidence for a Homogeneous Invasive Group Among Ruminant Isolates of <i>Chlamydia psittaci</i> ", <i>Journal of General Microbiology</i> , 137: 2525-2530 (1991).
9	AU	Washington, et al., " <i>Chlamydia trachomatis</i> Infections in the United States. What Are They Costing Us?", <i>JAMA</i> , 257(15): 2070-2072 (1987).
106	AV	Rank, et al., "Chronic Chlamydial Genital Infection in Congenitally Athymic Nude Mice", <i>Infection and Immunity</i> , 48(3): 847-849 (1985).

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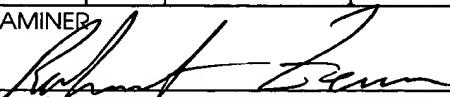
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K2	AW	Heinzel, et al., "Reciprocal Expression of Interferon $\gamma$ or Interleukin 4 During the Resolution or Progression of Murine Leishmaniasis", <i>J. Exp. Med.</i> , 169: 59-72 (1989).
	AX	Hatch, et al., "Synthesis of Disulfide-Bonded Outer Membrane Proteins During the Developmental Cycle of <i>Chlamydia psittaci</i> and <i>Chlamydia trachomatis</i> ", <i>Journal of Bacteriology</i> , 165(2): 379-385 (1986).
	AY	Zhang, et al., "Protective Monoclonal Antibodies Recognize Epitopes Located on the Major Outer Membrane Protein of <i>Chlamydia trachomatis</i> ", <i>The Journal of Immunology</i> , 138(2): 575-581 (1987).
	AZ	Tuffrey, et al., "Infertility in Mice Infected Genitally with a Human Strain of <i>Chlamydia trachomatis</i> ", <i>J. Reprod. Fert.</i> , 78: 251-260 (1986).
	BA	Tuffrey, et al., "Correlation of Infertility with Altered Tubal Morphology and Function in mice with Salpingitis Induced By a Human Genital-Tract Isolate of <i>Chlamydia trachomatis</i> ", <i>J. Reprod. Fert.</i> , 88: 295-305 (1990).
	BB	Tuffrey, et al., "Salpingitis in Mice Induced by Human Strains of <i>Chlamydia trachomatis</i> ", <i>Br. J. Exp. Path.</i> , 67: 605-616 (1986).
	BC	Wang, et al., "Immunotyping of <i>Chlamydia trachomatis</i> with Monoclonal Antibodies", <i>The Journal of Infectious Diseases</i> , 152(4): 791-800 (1985).
	BD	Newman, et al., "Saponin Adjuvant Induction of Ovalbumin-Specific CD8+ Cytotoxic T Lymphocyte Responses", <i>The Journal of Immunology</i> , 148(8): 2357-2362 (1992).
	BE	Allen, et al., "A Single Peptide from the Major Outer Membrane Protein of <i>Chlamydia trachomatis</i> Elicits T Cell Help for the Production of Antibodies to Protective Determinants", <i>The Journal of Immunology</i> , 147(2): 674-679 (1991).
	BF	Su, et al., "Identification and Characterization of T Helper Cell Epitopes of the Major Outer Membrane Protein of <i>Chlamydia trachomatis</i> ", <i>The Journal of Experimental Medicine</i> , 172: 203-212 (1990).
	BG	Koehler, et al., "Overexpression and Surface Localization of the <i>Chlamydia trachomatis</i> Major Outer Membrane Protein in <i>Escherichia coli</i> ", <i>Molecular Microbiology</i> , 6(9): 1087-1094 (1992).
	BH	Stephens, et al., "Diversity of <i>Chlamydia trachomatis</i> Major Outer Membrane Protein Genes", <i>Journal of Bacteriology</i> , 169(9): 3879-3885 (1987).
K2	BI	Morrison, et al., "Chlamydial Disease Pathogenesis. The 57-kD Chlamydial Hypersensitivity Antigen is a Stress Response Protein", <i>J. Exp. Med.</i> , 170: 1271-1283 (1989).

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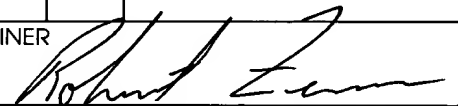
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RE	BJ	Su, et al., "Immunogenicity of a Synthetic Oligopeptide Corresponding to Antigenically Common T-Helper and B-Cell Neutralizing Epitopes of the Major Outer Membrane Protein of <i>Chlamydia trachomatis</i> ", <i>Vaccine</i> , <b>11</b> : 1159-1166 (1993).
	BK	Heinzel, et al., "Production of Interferon $\gamma$ , Interleukin 2, Interleukin 4, and Interleukin 10 by CD4+ Lymphocytes <i>In Vivo</i> During Healing and Progressive Murine Leishmaniasis", <i>Proc. Natl. Acad. Sci. USA</i> , <b>88</b> : 7011-7015 (1991).
	BL	Pickett, et al., "High-Level Expression and Epitope Localization of the Major Outer Membrane Protein of <i>Chlamydia trachomatis</i> Serovar L1", <i>Molecular Microbiology</i> , <b>2(5)</b> : 681-685 (1988).
	BM	Igietseme, et al., "Resolution of Murine Chlamydial Genital Infection by the Adoptive Transfer of a Biovar-Specific, Th1 Lymphocyte Clone", <i>Regional Immunology</i> , <b>5(6)</b> : 317-324 (1993).
	BN	Grayston, et al., "New Knowledge of Chlamydiae and the Diseases They Cause", <i>The Journal of Infectious Diseases</i> , <b>132(1)</b> : 87-105 (1975).
	BO	Yamamura, et al., "Defining Protective Responses to Pathogens: Cytokine Profiles in Leprosy Lesions", <i>Science</i> , <b>254</b> : 277-279 (1991).
	BP	Sambrook, et al., <i>In: Molecular Cloning, A Laboratory Manual</i> , Second Edition. Cold Spring Harbor Laboratory Press (1989).
	BQ	F.A.O. Marston. "The Purification of Eukaryotic Polypeptides Expressed in <i>Escherichia coli</i> ", <i>In: DNA Cloning, A Practical Approach, Volume III</i> , pp. 59-88 (1987).
	BR	Taylor, et al., "Oral Immunization with Chlamydial Major Outer Membrane Protein (MOMP)", <i>Investigative Ophthalmology &amp; Visual Science</i> , <b>29(12)</b> : 1847-1853 (1988).
	BS	J. Mestecky. "The Common Mucosal Immune System and Current Strategies for Induction of Immune Responses in External Secretions", <i>Journal of Clinical Immunology</i> , <b>7(4)</b> : 265-276 (1987).
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